

### AMENDMENTS TO THE CLAIMS:

The listing of claims will replace all prior versions, and listings, of claims in the application:

### LISTING OF CLAIMS:

8. (Currently amended) A system for positioning a patient lying on a [[bed]] couch with respect to a treatment device, said system comprising:

a camera system capable of producing output data representative of a portion of the patient wherein said output data is referenced in camera coordinates;

a memory storage device having reconstructed view data of the portion of the patient, said reconstructed view is referenced in scan data coordinates;

a processor, said processor receiving said output data and said reconstructed view data, and generating a plurality of directional values including at least first through fourth directional data values;

an apparatus configured to move the couch for positioning the bed, ~~said apparatus moving the bed~~ in a first direction and in a second direction in response to the respective first and second directional data values; and

[[a]] the treatment device coupled to the processor, the treatment device movable in a third direction and a fourth direction in response to the third and fourth directional data values.

9. (Previously presented) The system of claim 8, wherein the memory storage device is included in a computer.

10. (Previously presented) The system of claim 8, wherein the processor is included in a computer.

11. (Currently amended) The system of claim 8, wherein the apparatus includes a motor ~~operatively coupled to the couch~~.

12. (Currently amended) The system of claim 8, wherein at least one marker is adapted to be attached to the patient and the at least one marker is detectable by said camera system.